PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Re	duction Act of 1995, no persons are required	d to respond	to a collection of ir	nformation unless it dis	plays a valid OMB control	number.	
UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket No.		503,35255VX4		P.T.	
		First Inventor		K. AOTA, et al.		s. 05	
		Title FRICTION STIR		R WELDING MEM	BER	² u /60	
(Only for new nonprovisional applications under 37 CFR 1.53(b))			ail Label No.			10	
APPLICATION ELEMENTS SEE MPEP chapter 600 concerning utility patent application contents.			Assistant Commissioner for Patents ADDRESS Box Patent Application			<u>ਜ</u>	
SEE WIFEF Chapter	300 concerning unity patent application of	coments.	<i>TO:</i>	wasnington, L			
2. Please charge payments the		 CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) Nucleotide and/or Amino Acid Sequence Submission fif applicable, all necessary) Computer Readable Form (CRF) Specification Sequence Listing on: CD-ROM or CD-R (2 copies); or 					
4. Drawing(s) (3	35 U.S.C. 113) [Total Pages: 8]			☐ paper tements verifying identi	ty of above copies		
			AC	COMPANYING AP	PLICATION PARTS		
b Copy from a (for continuing for	[Total Pages: 2] uted (original or copy) a prior application (37 CFR 1.63 (d)) nuation/divisional with Box 18 completed) LETION OF INVENTOR(S) ed statement attached deleting inventor(s) ed in the prior application, see 37 CFR (d)(2) and 1.33(b) In By Reference (use if Box 5b is checked). If the prior application, from which a copy of the supplied under Box 5b, is considered as being the supplied under Box 5b, is considered as being the accompanying application and is held by reference therein.	he oath or eing part of	9. Assignment Papers (cover sheet & documents(s)) 10. 37 CFR 3.73(b) Statement Power of Attorney (when there is an assignee) 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Citations Statement (IDS)/PTO-1449 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Other: Claim for Priority and Credit Card Payment Form				
Amendment, or in an Continual Continual Prior application information Continuation Ounder Box 5b, is consi	ntion: Examiner: R. Canfield R DIVISIONAL APPS only: The entire dis dered a part of the disclosure of the accordation can only be relied upon when a po	? 1.76: inuation-in-pa closure of the impanying contion has be	art (CIP) of pri Group Art Unit: ne prior application ontinuation or div	ior application No.: 08 3635 on, from which an oat	/820,231 th or declaration is supp nd is hereby incorporate	d by	
Customer Number	or Bar Code Label	020457	h bar code label	or Correspo	ndence address below		
Name	ANTONELLI, TERRY, STOUT & K		Ρ				
Address				¥ .			
City		State		Zip Code			
Country	T	elephone	(703) 312-6600		(703) 312-6666		
Name William	n I. Solomon 4 A D		Registration No. ((Attorney/Agent)	28,565		
Signature	Nillamot	270	mo	Date	June 23, 2003		

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

PTO/SB/17 (10-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL			Complete If Known					
	ŀ	Application Number				Not Assigned Yet		
for FY 2002		Filing Date				On even date herewith		
		First Named Inventor			or	K. AOTA, et al.		
Patent fees are subject to annual revision.		Examiner's Name in Parent			Parent	R. Canfield		
		Group Art Unit in Parent			rent	3635		
TOTAL AMOUNT OF PAYMENT (\$)750.00		Attorne	y Doc	ket No.		503.35255VX4		
METHOD OF PAYMENT				FE	E CALCUL	ATION (continued)		
The Commissioner is hereby authorized to charge indicated fees and credit overpayments to: Deposit Account Number 01-2135 Deposit Account Name	3. Fee			FEES Small Entity Fee (\$)	,	escription	Fee Paid	
Under 37 CFR 1.1 6 and 1.17	105	130	205	65	Surcharge – I	ate filing fee or oath		
Applicant Claims small entity status. See 37 CFR 1.27	127	50	227	25	-	ate provisional filing fee or		
2. Payment Enclosed:	139	130	139	130	Non-English	specification		
☐ Check ☑ Credit Card ☐ Money Order ☐ Other	147	2,520	147		_	quest for ex parte reexamination		
FEE CALCULATION	112	920*	112	920*	Requesting po	ublication of SIR prior to		
2. BASIC FILING FEE Large Entity Small Entity	113	1,840	113	1,840		ublication of SIR after		
Fee Fee Fee Fee Description Fee Paid	115	110	215	55		reply within first month		
Code (\$) Code (\$) 101 740 201 370 Utility filing fee 750,00	116	400	216	200		reply within second month		
106 330 206 165 Design filing fee	117	920	217	460	Extension for	reply within third month		
107 510 207 255 Plant filing fee	118	1,440	218	720	Extension for	reply within fourth month		
108 740 208 370 Reissue filing fee	128	1,960	228	980	Extension for	reply within fifth month		
114 160 214 80 Provisional filing fee	119	320	219	160	Notice of App	eal		
SURTOTAL (1) 750.00	120	320	220	160	Filing a brief i	n support of an appeal		
SOBIOTAL (I)	121	280	221	140	Request for o	ral hearing		
1. EXTRA CLAIM FEES Fee from	138	1,510	138	1,510	Petition to ins	titute a public use proceeding		
Extra Claims below Fee Paid	140	110	240	55		rive – unavoidable		
Total Claims 3 -20** = x 18.00 = 0.00	141	1,280	241	640		rive — unintentional		
Indep. Claims 2-3** = x 84.00 = 0.00	142		242	640	•	ee (or reissue)		
Indep. Claims 2-3** = x 84.00 = 0.00	143	460	243	230	Design issue		-	
Multiple Dependent = 0.00	144	620	244	310	Plant issue fe			
Large Entity Small Entity	122	130 50	122	130		e Commissioner		
Large Entity Small Entity Fee Fee Fee Fee Fee Description	123 126	180	123 126	50	•	e under 37 CFR 1.17(q)		
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	581	40	581	180 40	Recording ea	f Information Disclosure Stmt ch patent assignment per	•	
102 84 202 42 Independent claims in excess of 3	146	740	246	370	For each add	es number of properties)		
104 280 204 140 Multiple dependent claim, if not paid	149	740	249	370	For each add	CFR § 1.129(a)) itional invention to be		
109 84 209 42 ** Reissue independent claims over original patent	179	740	279	370		CFR § 1.129(b)) Continued Examination (RCE)		
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	169	900	169	900	•	xpedited examination		
SUBTOTAL (2) \$	Oth	er fee (sp	ecify)					
**or number previously paid, if greater, For Reissues, see above. *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00								

SUBMITTED BY Complete (if applicable)					
Name (Print/Type)	William I. Splomon	Registration No. (Attorney/Agent)	28,565	Telephone	(703) 312-6600
Signature	William of Holo	m		Date	June 23, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-

Eurden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.